



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB87450

SDG No.: LB87450

Contract: _____ Lab Code: CHEM

Case No.: LB87450

SAS No.: LB87450

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Cyanide	0.24	0.25	96	0	90 - 110		05/15/2017	12:02	LB87450
CCV2	Cyanide	0.25	0.25	100	0	90 - 110		05/15/2017	12:05	LB87450



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87450

SDG No.: LB87450

Contract:

Lab Code: CHEM

Case No.: LB87450

SAS No.: LB87450

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00025	+/-0.005	U		0.005		05/15/2017	12:02	LB87450



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87450

SDG No.: LB87450

Contract:

Lab Code: CHEM

Case No.: LB87450

SAS No.: LB87450

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00047	+/-0.005	U		0.005		05/15/2017	12:02	LB87450
CCB2	Cyanide	-0.0006	+/-0.005	U		0.005		05/15/2017	12:05	LB87450



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87450

SDG No.: LB87450

Contract: Lab Code: CHEM

Case No.: LB87450

SAS No.: LB87450

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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Report of Analysis

Client:		Date Collected:	5/11/2017 12:00:00 AM
Project:	LB87450	Date Received:	5/11/2017 12:00:00 AM
Client Sample ID:	EFFLUENT-DAY1-1-4CN-COMP	SDG No.:	LB87450
Lab Sample ID:	I3045-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.00052	U	1	0.001		0.005	mg/L	05/12/2017	05/15/2017	SM4500-CN C, I



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Report of Analysis

Client:		Date Collected:	
Project:	LB87450	Date Received:	
Client Sample ID:	MIDPB98915	SDG No.:	LB87450
Lab Sample ID:	MIDPB98915	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.24		1	0.001		0.005	mg/L		05/15/2017	SM4500-CN C, I



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Report of Analysis

Client:		Date Collected:	
Project:	LB87450	Date Received:	
Client Sample ID:	MIDPB98915	SDG No.:	LB87450
Lab Sample ID:	MIDPB98915	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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Color Before:	Clarity Before:	Texture:
Color After:	Clarity After:	Artifacts:
Comments:		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits



GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB87450

SDG No.: LB87450

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB98915BL	Cyanide	WATER -0.00062	<0.005	Batch Number: U		PB98915 0.005		Prep Date: 05/15/2017	05/12/2017 12:02	LB87450



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB87450 level: low sdg no.: LB87450
contract: lab code: CHEM case no.: LB87450 sas no.: LB87450
matrix: WATER sample id: I3045-02 client id: EFFLUENT-DAY1-1-4CN-COMPMS
Percent Solids for Sample: 0 Spiked ID: I3045-02MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/L	75 - 125	0.034		0.001	U	0.04	85		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB87450 level: low sdg no.: LB87450
contract: lab code: CHEM case no.: LB87450 sas no.: LB87450
matrix: WATER sample id: I3045-02 client id: EFFLUENT-DAY1-1-4CN-COMPMSD
Percent Solids for Sample: 0 Spiked ID: I3045-02MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/L	75 - 125	0.034		0.001	U	0.04	85		

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB87450 **Level:** LOW **SDG No.:** LB87450
Contract: **Lab Code:** CHEM **Case No.:** LB87450 **SAS No.:** LB87450
Matrix: WATER **Sample ID:** I3045-02 **Client ID:** EFFLUENT-DAY1-1-4CN-COMPDUP
Percent Solids for Sample: 0 **Duplicate ID** I3045-02DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.001	U	0.00058	U			

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB87450 **Level:** LOW **SDG No.:** LB87450
Contract: **Lab Code:** CHEM **Case No.:** LB87450 **SAS No.:** LB87450
Matrix: WATER **Sample ID:** I3045-02MS **Client ID:** EFFLUENT-DAY1-1-4CN-COMPMSD
Percent Solids for Sample: 0 **Duplicate ID** I3045-02MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.034		0.034		0		



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB87450

SDG No.: LB87450

Contract:

Lab Code: CHEM

Case No.: LB87450

SAS No.: LB87450

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB98915BS Cyanide	mg/L	0.1	0.098		98	85 - 115	